



**GOVERNMENT DEGREE COLLEGE, GAMBHIRAOPET
RAJANNA SIRCIILLA DIST. 505 304**

(Affiliated to Satavahana University)



DEPARTMENT OF CHEMISTRY

*CERTIFICATE COURSE
ON*

“LABORATORY SAFETY RULES AND REGULATIONS”

FOR CHEMISTRY STUDENTS

ACADEMIC YEAR- 2019-20

[FROM 02-11-2019 TO 13-12-2019]

No. Of Participants: 41

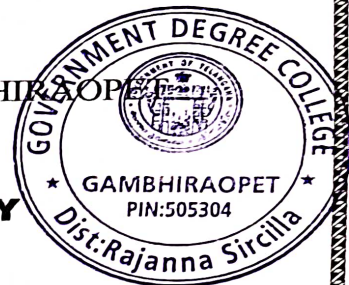
No. Of Hours: 30

Time: 4.30 pm

GOVERNMENT DEGREE COLLEGE, GAMBHIRAOPET
RAJANNA SIRCILLA DIST

DEPARTMENT OF CHEMISTRY

PERMISSION LETTER



Date: 25-10-2019

To
The Principal,
Government Degree College,
Gambhiraopet,
Rajanna Sircilla Dist.-506304

Respected Sir,

Sub:- Department of Chemistry - Seeking Permission to start Certificate
Course in Chemistry in our college Request-Reg.

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Permitted
We the Department of Chemistry would like to start Certificate Course in Chemistry in
our college for the academic year 20for the betterment of all Chemistry students.

Hence, I request you to permit me to start the Certificate Course on "LABORATORY
SAFETY RULES AND REGULATIONS FOR CHEMISTRY STUDENTS" for the above
mentioned academic year.

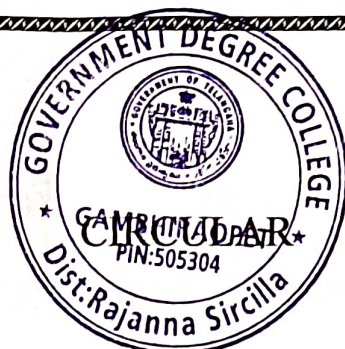
Thanking you sir,

Yours faithfully

B. Praveen Kumar

B. Praveen Kumar
In-charge

Department of Chemistry



Date: 27 - 11 -2019

All the students are here by informed that we, the Department of Chemistry planning to Start "CERTIFICATE COURSE ON LABORATORY SAFETY RULES AND REGULATIONS FOR CHEMISTRY STUDENTS" for a period of 30 hours for this Academic Year 2019-20. The classes will be conducted during Zero hours that is from 4:30 P.M to 5:30 P.M (1hours) on all working days. The Detailed scheduled will be intimated Soon. Interested candidates may enrol their names with Sri.B. Praveen Kumar, Lecturer in Chemistry on or before.30-11-2019.

B. Praveen Kumar
In-charge
Department of Chemistry

[Signature]
Principal
PRINCIPAL
GOVT. DEGREE COLLEGE
GAMBHIRAOPET-505304
RAJANNA SIRCIILA (DIST)T.S.

I-B.Sc.(BZC & MPC) *[Signature]*

II-B.Sc.(BZC & MPC) *N. Adivishan*

III-B.Sc. (BZC & MPC) *[Signature]*

GOVERNMENT DEGREE COLLEGE, GAMBHIRAOPET
RAJANNA SIRCILLA DIST
DEPARTMENT OF CHEMISTRY



Certificate Course on
**“LABORATORY SAFETY RULES AND REGULATIONS FOR CHEMISTRY
STUDENTS”**

Curriculum of the Certificate Course:

Total Hours: 30

Unit -I (7 Hours)

- List responsibilities of laboratory workers and supervisors
- “safety culture”
- Strategies of inherently safer designs
- Preventive and mitigative safeguards
- Description of the purpose and contents of safety data and hazard identification

Unit –II (7 Hours)

- List various types of toxicological hazards and common exposure limit measures
- List various types of flammability hazards, ways in which flammability hazards are characterized, and ways in which flammability hazards are mitigated
- Define “chemical reactivity” and describe situations that could present a chemical reactivity hazard

Unit –III (7 Hours)

- Describe laboratory equipment hazards associated with electrical devices, compressed gas cylinders, refrigerators, drying ovens, glassware, and lasers

Unit – IV (9 Hours)

- Brief Discussions on Laboratory Safety Rules
- Describe the four steps to an industrial hygiene study
- Describe ways in which personal protective equipment protects workers from vapors, noise, and damage to the eyes, face and hands
- List and apply the eight steps needed to handle chemicals safely

B. Praveen Kumar
In-charge


[Signature]
Principal
PRINCIPAL
GOVT. DEGREE COLLEGE
GAMBHIRAOPET-505304
RAJANNA SIRCILLA (DIST)T.S.

**Certificate Course on "LABORATORY SAFETY RULES AND REGULATIONS
FOR CHEMISTRY STUDENTS"**



Student Enrolment sheet

| Sl.No | Name of the student | Group | College ID | Signature of the student |
|-------|---------------------------|---------------|-----------------|------------------------------------|
| 1 | Bhukya Rajitha | I-B.Sc.(BZC) | 19077086445001 | |
| 2 | Bommena Mounika | I-B.Sc.(BZC) | 19077086445002 | B. mounika |
| 3 | Chittaveni Divya | I-B.Sc.(BZC) | 19077086445003 | Ch. Divya |
| 4 | Deva Ramya | I-B.Sc.(BZC) | 19077086445004 | D. Ramya |
| 5 | Domakonda Anusha | I-B.Sc.(BZC) | 19077086445005 | D. Anusha |
| 6 | Ayanaboina Analika | I-B.Sc.(BZC) | 19077086445006 | D. Analika |
| 7 | Gadham Meena | I-B.Sc.(BZC) | 19077086445007 | G. Meena |
| 8 | Galaiahgari Rekha | I-B.Sc.(BZC) | 19077086445008 | G. Rekha. |
| 9 | Jillella Pavani | I-B.Sc.(BZC) | 19077086445009 | J. Pavani |
| 10 | Kurra Pooja | I-B.Sc.(BZC) | 19077086445010 | K. Pooja |
| 11 | Kurra Vasudha | I-B.Sc.(BZC) | 19077086445011 | K. Vasudha |
| 12 | Mohammad Saniya | I-B.Sc.(BZC) | 19077086445012 | Saniya. |
| 13 | Moluguri Priyanka | I-B.Sc.(BZC) | 19077086445013 | M. Priyanka |
| 14 | Puli Nandini | I-B.Sc.(BZC) | 19077086445014 | P. Nandini |
| 15 | Shanigaram Saikiran | I-B.Sc.(BZC) | 19077086445015 | S. Saikiran. |
| 16 | Shanigarapu Sandhya Rani | I-B.Sc.(BZC) | 19077086445016 | S. Sandhyarani |
| 17 | Shivandi Kalyani | I-B.Sc.(BZC) | 19077086445017 | S. Kalyani |
| 18 | Srikanth Karike | I-B.Sc.(BZC) | 19077086445018 | S. Srikanth S. Srikanth |
| 19 | Sundaragiri Sudharani | I-B.Sc.(BZC) | 19077086445019 | S. Sudharani |
| 20 | Ushannagari Swetha | I-B.Sc.(BZC) | 19077086445020 | U. Swetha |
| 21 | Yarapu Mounika | I-B.Sc.(BZC) | 19077086445021 | Y. Mounika |
| 22 | Jangam Shivani | I-B.Sc.(MPC) | 19077086441001 | J. Shivani |
| 23 | Mandati Praveen | I-B.Sc.(MPC) | 19077086441002 | M. Praveen |
| 24 | Merugu Bhanu | I-B.Sc.(MPC) | 19077086441003 | M. Bhanu |
| 25 | Somaripeta Naresh | I-B.Sc.(MPC) | 19077086441004 | S. Naresh |
| 26 | Somaripeta Praveen Yadav | I-B.Sc.(MPC) | 19077086441005 | S. Praveen yadav |
| 27 | Chinthakindi Sravani | II-B.Sc.(BZC) | 18077086445003 | Ch. Sravani |
| 28 | Katta Ramya | II-B.Sc.(BZC) | 18077086445005 | K. Ramya |
| 29 | Medipalli Mounika | II-B.Sc.(BZC) | 18077086445006 | M. mounika |
| 30 | Polishetti Soumya | II-B.Sc.(BZC) | 18077086445007 | P. Soumya. |
| 31 | Battu Priya | II-B.Sc.(BZC) | 18077100445003 | B. Priya |
| 32 | Gudepu Kalpana | II-B.Sc.(BZC) | 18077100445007 | G. Kalpana |
| 33 | Sangam. Renuka | II-B.Sc.(BZC) | 18077100445014 | S. Renuka |
| 34 | Ushannagari .Nikhitha | II-B.Sc.(BZC) | 18077100445015 | U. Nikhitha |
| 35 | Kanakala Sankeerthana | II-B.Sc.(BZC) | 18077089445010 | K. Sankeerthana |
| 36 | Bandameedi. Kalyani | II-B.Sc.(BZC) | 180770894445007 | B. Kalyani |
| 37 | Gotte. Kalpana | II-B.Sc.(BZC) | 180770894445023 | G. Kalpana |
| 38 | Kurra .Radha | II-B.Sc.(BZC) | 180770894445033 | K. Radha. |
| 39 | Ragabosu. Varalaxmi | II-B.Sc.(BZC) | 180770894445056 | R. Varalaxmi |
| 40 | Ponnala Naveen | II-B.Sc.(BZC) | 18077097445010 | P. Naveen |
| 41 | Virabathini .Bhanuprakash | II-B.Sc.(BZC) | 18077084445073 | V. Bhanuprakash |


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CERTIFICATE COURSE ON LABORATORY SAFETY RULES AND REGULATIONS

Resource Person: Sri. Praveen Kumar, Lecturer in Chemistry



Learning outcomes

After studying this course, you should be able to:

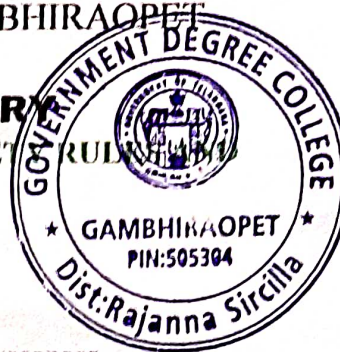
- understand the Health and Safety at Work in the chemistry laboratory.
- understand the employers', employees' and visitors' duties
- evaluate hazards and risks in order to carry out a risk assessment
- understand the requirement to report any accident or dangerous occurrence
- develop risk assessments for scientific laboratories that use chemicals.
- **Laboratory Skills and Safety** - Students will use a variety of laboratory techniques to safely conduct chemical experiments and procedures.
- Students will observe safe practices in the laboratory and will know how to respond in an emergency. Students will learn to gather hazardous materials information and will recognize and respond properly to potential hazards of handling chemicals and chemical waste.
- **Readiness for Career or Advanced Degree** - Chemistry major graduates will be prepared to pursue a career or an advanced degree in chemistry or a chemistry-related field.
- Students will work successfully both independently and as part of a team.
- To understand and present the chemical transformation and chemical process that are involved in every day chemical product especially related to community concerns regarding the impact of chemistry on our lives.
- To formulate fact-based positions on societal issues of chemistry and provide Inter disciplinary understanding to support.

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GOVERNMENT DEGREE COLLEGE, GAMBHIRAOPET
RAJANNA SIRCILLA DIST
DEPARTMENT OF CHEMISTRY
CERTIFICATE COURSE ON LABORATORY SAFETY REGULATIONS

Certificate Course Summary

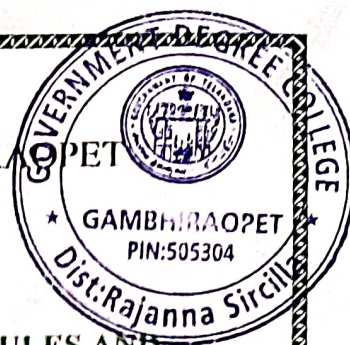


1. Name of the course : Laboratory safety awareness
2. Name of the Course Coordinator: B. Praveen Kumar
3. Number of students participated: : 41
4. Number of students completed the course : 41
5. Number of hours taken : 30 Hours
6. Date of the course (From – To) :
7. No. of certificates issued : 39

B. Praveen Kumar
Course Co-ordinator

B. Praveen Kumar
Principal
PRINCIPAL
GOVT. DEGREE COLLEGE
GAMBHIRAOPET-505304
RAJANNA SIRCILLA (DIST) T.S.


GOVERNMENT DEGREE COLLEGE, GAMBHIRAOPET
 RAJANNA SIRCILLA DIST
DEPARTMENT OF CHEMISTRY



Student Feed back analysis on
CERTIFICATE COURSE ON LABORATORY SAFETY RULES AND
REGULATIONS

Resource Person: Sri. B. Praveen Kumar, Lecturer in Chemistry

| Sl.No | Questionnaire | Excellent | Very Good | Good | Average | Poor | Total |
|--------------------------|---------------------------|-----------|-----------|------------|---------|------|-------|
| 1 | Syllabus frame work | 7 | 2 | 1 | - | - | 10 |
| 2 | Coverage of Syllabus | 10 | - | - | - | - | 10 |
| 3 | Course Methods | 8 | 2 | - | - | - | 10 |
| 4 | Explanation of the topics | 8 | 2 | - | - | - | 10 |
| 5 | Interaction | 7 | 1 | 2 | - | - | 10 |
| 6 | Doubts clarification | 9 | 1 | - | - | - | 10 |
| 7 | Teacher presentation | 8 | 2 | - | - | - | 10 |
| 8 | Interest Generation | 7 | 1 | 2 | - | - | 10 |
| 9 | Time Management | 9 | 1 | - | - | - | 10 |
| 10 | Overall opinion | 8 | 2 | - | - | - | 10 |
| Remarks of the Principal | | | | Excellent. | | | |


 Principal
PRINCIPAL
 GOVT. DEGREE COLLEGE
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Student Feedback Form

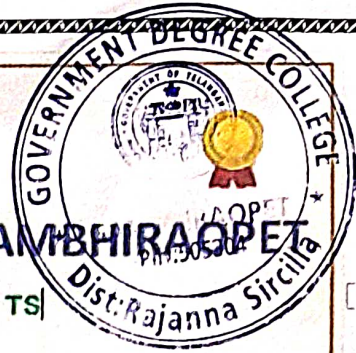
CERTIFICATE COURSE ON LABORATORY SAFETY
REGULATIONS



Resource Person: Sri B. Praveen Kumar, Lecturer in Chemistry

| Sl.No | Questionnaire | Excellent | Very Good | Good | Average | Poor | Total |
|-------|---------------------------|-----------|-----------|------|---------|------|-------|
| 1 | Syllabus frame work | | | | | | |
| 2 | Coverage of Syllabus | | | | | | |
| 3 | Course Methods | | | | | | |
| 4 | Explanation of the topics | | | | | | |
| 5 | Interaction | | | | | | |
| 6 | Doubts clarification | | | | | | |
| 7 | Teacher presentation | | | | | | |
| 8 | Interest Generation | | | | | | |
| 9 | Time Management | | | | | | |
| 10 | Overall opinion | | | | | | |

Signature of the student



GOVERNMENT DEGREE COLLEGE GAMBHIRAOPET

RAJANNA SIRCILLA DIST. 505 304 - TS
(Affiliated to Satavahana University, Karimnagar)
DEPARTMENT OF CHEMISTRY

Certificate

This is to certify that Mr/Miss Bhukya Rajitha
I-B.Sc.(BZC) Year bearing the Roll No. **19077086445001** has successfully
completed the Certificate Course in "Laboratory safety rules and regulations
for Chemistry students" organized by Department of Chemistry.

Department In-charge

Principal



GOVERNMENT DEGREE COLLEGE GAMBHIRAOPET

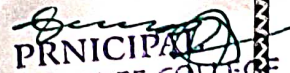
RAJANNA SIRCILLA DIST. 505 304 - TS
(Affiliated to Satavahana University, Karimnagar)
DEPARTMENT OF CHEMISTRY

Certificate

This is to certify that Mr/Miss Chittaveni Divya
I-B.Sc.(BZC) Year bearing the Roll No. **19077086445003** has successfully
completed the Certificate Course in "Laboratory safety rules and regulations
for Chemistry students" organized by Department of Chemistry.


Department In-charge

Principal


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GOVERNMENT DEGREE COLLEGE
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